

### 7.12. Understanding Isotopes Worksheet

Fill in the blanks for the elements in this chart. Remember that **Isotopes** are atoms of the same element with different number of neutrons. ( $\text{Number of Neutrons} = \text{atomic mass} - \text{number of protons/number of electrons}$ )

Element	Number of Protons	Number of Neutrons	Number of Electrons	Atomic Mass or Mass Number	Atomic Number
Carbon-12	6		6	12	6
Carbon-13	6	7	6		6
Carbon-14		8	6	14	6
Chlorine-35	17		17	35	17
Chlorine-37	17	20	17		17
Argon-36	18	18			18
Argon-38		20		38	18
Argon-40	18		18	40	